



Product Evaluation

EC102 | 0517

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: EC-102

Effective Date: May 1, 2017

Re-evaluation Date: November 2021

Product Name: Vinyl Siding

Manufacturer: Kaycan Ltd.
1 Memorial Drive
Richford, VT 05476
800-962-3563

General Description:

This product evaluation report includes vinyl horizontal siding. This evaluation report applies to the following vinyl siding products:

Horizontal Siding:

Product Name	Profile	Nominal Panel Thickness (in.)
Avanti	Double 4" Dutchlap	0.042
Classic	Triple 3"	0.042
Classic Dutchlap	Triple 3" Dutchlap	0.042
Contessa	Double 5"	0.042
Marquis	Double 4"	0.042
Platinum	Triple 3"	0.042

Installation:**General Installation Requirements:**

All fasteners must be corrosion resistant. Nails must be driven in the center of the nailing slot, leaving a minimum 1/32" space between the fastener head and the vinyl siding.

As a minimum, exterior surface of the wall shall be sheathed with structural sheathing as required by the building codes but not less than 7/16" OSB or 15/32" plywood. If non-structural materials (such as foam or fiberboard) are used over the structural sheathing, then the length of the fasteners used to secure the vinyl siding to the framing shall be increased by the thickness of the non-structural material.

Apply the starter strip with fasteners spaced a maximum of 8" on center. The fasteners for the corner posts must be spaced a maximum of 8" on center. Attach the J-channels to the framing members with fasteners spaced a maximum of 10" on center.

NOTES:

- Use of ring shank nails in lieu of smooth shank nails where required exceeds installation requirements.
- Use of screw shank nails in lieu of smooth shank nails where required meets installation requirements.
- Use of screw shank nails in lieu of ring shank nails where required DOES NOT MEET installation requirements.
- Roofing nail shank diameter or head diameter larger than that required exceeds installation requirements.

Wind Resistant Assemblies:**Assembly No. 1**

Horizontal Siding

Design pressure: -86.5 psf

Fasteners: 1-1/2 long galvanized smooth shank roofing nails with a minimum 0.375" (3/8") diameter head and a minimum 0.125" (1/8") shank diameter.

Fastener Spacing: Spaced 16" on centers. Every fastener into the 2x wood framing member.

The following products are applicable: Double 4" "Avanti"

Installation: Wall studs must be minimum #2 Spruce-Pine-Fir dimension lumber. The wall studs must be spaced a maximum of 16" on center. The vinyl siding must be fastened into the wall studs with fasteners spaced a maximum of 16" on center. Panel ends should be staggered from adjacent courses.

Assembly No. 2

Horizontal Siding

Design pressure: -74.07 psf

Fasteners: 1-1/2 long galvanized smooth shank roofing nails with a minimum 0.4375" (7/16") diameter head and a minimum 0.125" (1/8") shank diameter.

Fastener Spacing: Spaced 16" on centers. Every fastener into the 2x wood framing member.

The following products are applicable: Triple 3" "Classic" Dutch Lap and Straight Lap.

Installation: Wall studs must be minimum #2 Spruce-Pine-Fir dimension lumber. The wall studs must be spaced a maximum of 16" on center. The vinyl siding must be fastened into the wall studs with fasteners spaced a maximum of 16" on center. Panel ends should be staggered from adjacent courses.

Assembly No. 3

Horizontal Siding

Design pressure: -105 psf

Fasteners: 1-1/2 long galvanized smooth shank roofing nails with a minimum 0.4375" (7/6") diameter head and a minimum 0.125" (1/8") shank diameter.

Fastener Spacing: 8" on center, into the sheathing. Every other fastener located through the sheathing and into the 2x wood framing studs where applicable.

The following products are applicable: Triple 3" "Platinum".

Installation: Wall studs must be minimum #2 Spruce-Pine-Fir dimension lumber. The wall studs must be spaced a maximum of 16" on center. The vinyl siding must be fastened into the wall studs with fasteners spaced a maximum of 8" on center. Panel ends should be staggered from adjacent courses.

Assembly No. 4

Horizontal Siding

Design pressure: -77.2 psf

Fasteners: 1-1/2 long galvanized smooth shank roofing nails with a minimum 0.375" (3/8") diameter head and a minimum 0.125" (1/8") shank diameter.

Fastener Spacing: Spaced 16" on centers. Every fastener into the 2x wood framing member.

The following products are applicable: Double 4" "Marquis"

Installation: Wall studs must be minimum #2 Spruce-Pine-Fir dimension lumber. The wall studs must be spaced a maximum of 16" on center. The vinyl siding must be fastened into the wall studs with fasteners spaced a maximum of 16" on center. Panel ends should be staggered from adjacent courses.

Assembly No. 5

Horizontal Siding

Design pressure: -74.07 psf

Fasteners: 1-1/2 long galvanized smooth shank roofing nails with a minimum 0.4375" (7/6") diameter head and a minimum 0.125" (1/8") shank diameter.

Fastener Spacing: Spaced 8" on center, into the sheathing. Every other fastener located through the sheathing and into the 2x wood framing studs where applicable.

The following products are applicable: Double 5" "Contessa"

Installation: Wall studs must be minimum #2 Spruce-Pine-Fir dimension lumber. The wall studs must be spaced a maximum of 16" on center. The vinyl siding must be fastened into the wall studs with fasteners spaced a maximum of 8" on center. Panel ends should be staggered from adjacent courses.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.